

AgustaWestland AW139M



 **LEONARDO**
HELICOPTERS



AW139^M

SIMPLY NO RIVALS



DELIVERING CAPABILITY FOR DEMANDING MISSIONS

The AW139M is the military version of the AW139, the market-leading intermediate twin-engine helicopter that sets the standard against which all intermediate twins are now measured.

The aircraft has been developed to meet the stringent military and civilian certification requirements of military, homeland security and government users and can perform a wide range of missions including: Surveillance, Utility, Troop Transport, Special Forces Insertion/Extraction, MEDEVAC/CASEVAC, SAR/CSAR, Command & Control, Fire Support.

Combining state-of-the-art technology, unmatched performance and unrivalled safety, the AW139M is the best solution in the most challenging conditions, all over the world.

Rescue hoist

2 x Pratt & Whitney Canada
PT6C-67C engines

Self-sealing crashworthy
fuel tanks

Defensive Aids Suite including
RWR, LWR, MILDS
and Chaff and Flares

ADVANCED TECHNOLOGY FOR REDUCED PILOT WORKLOAD

The AW139's NVG-compatible glass cockpit is based on four large Liquid Crystal Displays with an optional fifth display for moving map and cameras and a state-of-the-art integrated digital avionics system, coupled with the 4-axis digital autopilot. SAR modes and various search patterns are also supported. It's Full Authority Digital Engine Control (FADEC) optimises helicopter control in any condition. The AW139 cockpit's ergonomic design, high visibility, excellent handling characteristics and low vibration levels minimise pilot workload, allowing the crew to concentrate on achieving mission objectives.

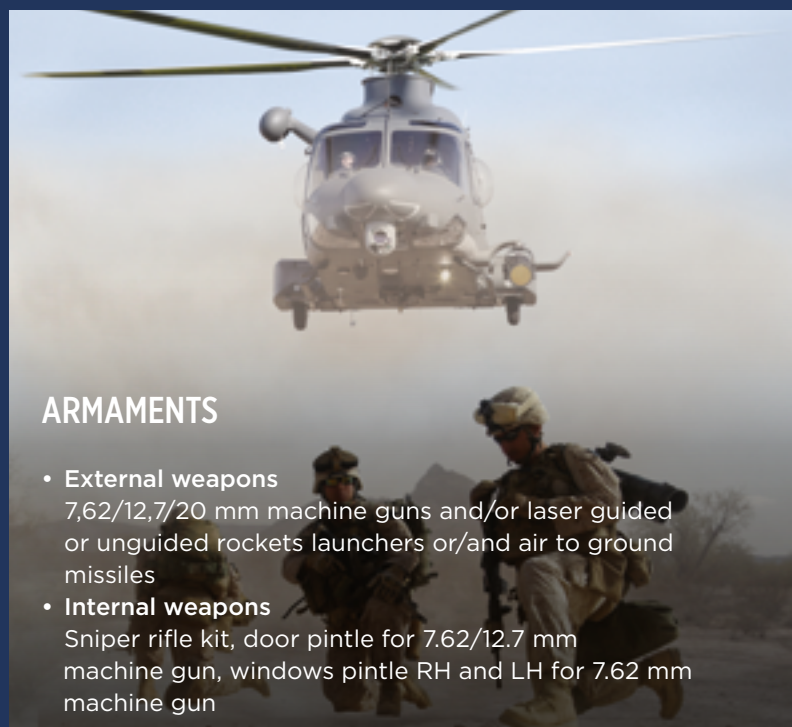




BATTLEFIELD CAPABILITY

- Exceptional day and night, and all environment single pilot IFR/VFR operational capability from the Arctic regions to hot and high mountains
- Rapid self-deployment or deployment by strategic air and sea transportation with minimum disruption to operational tasking
- Low levels of detection through low noise signature, reduced infra-red signature and low radar cross-section
- High levels of survivability due to ballistic protections, systems redundancy, damage tolerant design and crashworthiness
- High useful load and high speed for increased mission effectiveness
- “Best in Class” power to weight ratio enabling safe operations in demanding hover conditions, including OEI.

Further additional options and role equipment are available for other requirements. Customer specified or furnished equipment can also be installed.



ARMAMENTS

- **External weapons**
7.62/12.7/20 mm machine guns and/or laser guided or unguided rockets launchers or/and air to ground missiles
- **Internal weapons**
Sniper rifle kit, door pintle for 7.62/12.7 mm machine gun, windows pintle RH and LH for 7.62 mm machine gun



EXCEPTIONAL CABIN FLEXIBILITY

- Designed with inherent multi-role capability and flexibility of operation, the AW139M features the largest passenger cabin in its class with two large sliding doors ensuring rapid ingress/egress from both sides.
- The large cabin space may be, alternatively, utilised to fit specific mission and role equipment including fully integrated mission console and weapon systems. Its design also allows for internal access to a spacious baggage compartment.
- The platform can easily carry heavily laden troops, with all the equipment necessary for the mission, to their drop-off point in support of high tempo operations.
- With modular armour in cockpit and cabin, the AW139M is an excellent platform for quick troop deployment in operational theatres or recovery of stretchers in flight, supported by covering-fire from window-mounted machine guns.



AW139M CHARACTERISTICS

Weight (MTOW)

Max Gross Weight	6,400 kg	14,110 lb
Increased Gross Weight ⁽¹⁾	6,800/7,000 kg	14,991/15,430 lb

Propulsion

Powerplant	2 x Pratt & Whitney PT6C-67C Turboshafts with FADEC	
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Capacity

Crew	1-2	
Passenger seating	Up to 15 in light order, or 8 deployable troops in combat order and 2 armed cabin crew for aircraft protection	
Stretchers	Up to 4 (with 5 attendants)	
Baggage compartment	3.4 m ³	120 ft ³

Dimensions

Overall length ⁽²⁾	16.66 m	54 ft 08 in
Overall height ⁽²⁾	4.98 m	16 ft 04 in
Rotor diameter	13.8 m	45 ft 03 in

Performance (ISA, MGW)

VNE (SL)	310 km/h	167 kt
Max Cruise Speed (SL)	306 km/h	165 kt
HOGF	2,478 m	8,130 ft
Service Ceiling (MCP)	6,096 m	20,000 ft
Maximum range with auxiliary fuel (SL) ⁽³⁾	1,061 km	573 nm
Maximum endurance with auxiliary fuel (SL) ⁽³⁾	5 h 13 min	

⁽¹⁾ Available as a kit

⁽²⁾ Rotor turning

⁽³⁾ No reserve



Leonardo Helicopters is making significant changes to the provision of its Customer Support and Training services.

Leonardo Helicopters has launched a companywide “TeamUp” initiative spanning the entire breadth of the Support and Training delivery activity.

SUPPORT SOLUTIONS

The Leonardo Helicopters Customer Support & Training worldwide network delivers an extensive range of support solutions that are tailored to meet the Customers’ unique requirements ranging from routine spares & repairs, component availability solutions and frontline manpower support through to fully Integrated Operational Support solutions.

TRAINING SOLUTIONS

Leonardo Helicopters designs, develops and delivers integrated training solutions and services for our helicopters in the live and virtual training domains, from type conversion through to full operational and mission capability.

ADVANCED SERVICES

Leonardo Helicopters continues to focus and improve the Customer’s experience, leveraging on innovation and latest technology, to deliver the best services and solutions in its class. Skyflight Mobile and Heliwise represent our key advanced services, which provide Customers with cutting-edge solutions to perform flight planning activities and HUMS data analysis.

OUR MOBILE APPS – STAY TUNED!



AW TeamUp



AW Training



Heliwise



Skyflight Mobile



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